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Agriculture

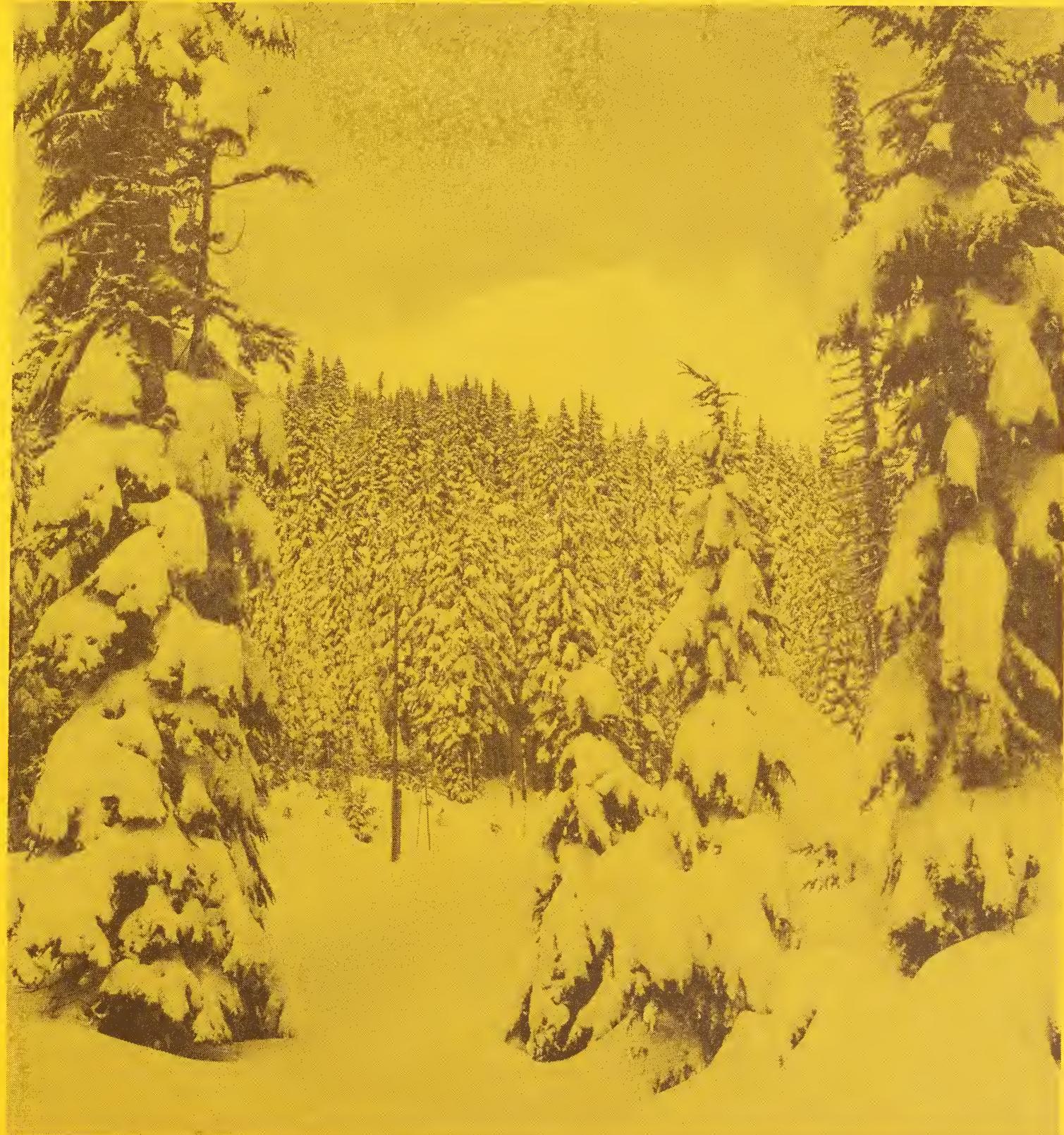
Soil  
Conservation  
Service

Salt Lake City  
Utah



# 5 WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department  
of Natural Resources



OCTOBER 1, 1985

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

<u>STATE</u>	<u>ADDRESS</u>
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchroage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

# **WATER SUPPLY OUTLOOK FOR UTAH**

**and**  
**FEDERAL-STATE- PRIVATE COOPERATIVE SNOW SURVEYS**

**Issued by**

**WILSON SCALING,  
CHIEF  
SOIL CONSERVATION SERVICE  
WASHINGTON, D.C.**

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**Released by**

**FRANCIS T. HOLT  
STATE CONSERVATIONIST  
SOIL CONSERVATION SERVICE  
SALT LAKE CITY, UTAH**

**In Cooperation with**

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES**  
**ROBERT L. MORGAN** **D. LARRY ANDERSON**  
State Engineer Director  
Division of Water Rights Division of Water Resources

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**Report prepared by Snow Survey Staff**

**JON G. WERNER, Supervisor**

**Soil Conservation Service  
125 So. State, Fed. Bldg.  
P.O. Box 11350  
Salt Lake City, Utah 84147**

As Of October 1, 1985

Snow melt began earlier than normal this year with all but the highest and most protected sites showing melt shortly after April 1 and finishing melt on the majority of courses well before June 1.

Summer precipitation at mountain stations varied across the state. Below average rainfall occurred on the Lower Sevier and north slope of the Uintas. Much above average precipitation fell on the mountains east and north of Cache Valley and on many of the drainages on the south slope of the Uintas. The rest of the state experienced near normal precipitation.

Reservoir storage in twenty-five of Utah's key irrigation reservoirs is 137% of the October 1 average and 80% of usable capacity.

Streamflow at Utah's 7 key gaging stations is running at 153% of the median flow ranging from 107% for the Whiterocks River near Whiterocks to 243% for the San Juan River near Bluff.

The following table compares May 1 forecasts with provisional flow measured by the U. S. Geological Survey.

<u>Station</u>	<u>Forecast Period</u>	May 1 Forecast (1000 A. F.)		Measured Flow for the Period (1000 A. F.)	
		1985	1984	1985	1984
<u>BEAR RIVER</u>					
Bear nr Woodruff	May-July	118	90	237	
Logan nr Logan (combined)	May-July	96	99	192	
Blacksmith Fk nr Hyrum	May-July	37	43	104	
Little Bear nr Paradise	May-June	20	31	72	
<u>WEBER-OGDEN RIVERS</u>					
Weber nr Oakley	May-June	95	97	146	
Rockport Reservoir Inflow	May-June	97	105	168	
Chalk Creek nr Coalville	May-June	29	38	67	
Weber nr Coalville	May-June	101	111	173	
Lost Creek nr Croydon	May-June	14.3	12.2	30	
East Cyn. Creek nr Morgan	May-June	22	24	45	
Echo Reservoir Inflow	May-June	121	112	196	
Weber River nr Gateway	May-June	247	251	506	
South Fk Ogden nr Huntsville	May-June	33	37	90	
Pineview Reservoir Inflow	May-June	63	62	239	

## RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average <sup>+</sup>
<u>GREAT BASIN</u>					
<u>Bear River</u>	Bear Lake	1421.0	1126.5	1279.1	1012.8
	Woodruff Narrows	55.8	16.7	55.1	--
	Woodruff Creek	4.0	1.4	--	--
<u>Beaver River</u>	Minersville (RkyFd)	26.0	6.3	15.2	4.9
<u>Little Bear</u>	Hyrum	15.3	10.3	14.0	7.4
	Porcupine	11.3	4.6	5.0	1.8 <sup>b</sup>
<u>Ogden</u>	Causey	6.9	2.2	3.4	1.8 <sup>b</sup>
	Pineview	110.1	59.9	80.6	52.7
<u>Provo</u>	Deer Creek	149.7	90.4	125.7	90.5
<u>Settlement Creek</u>	Settlement Creek	1.0	0.3	--	0.1 <sup>a</sup>
	Vernon Creek	0.6	0.4	0.6	0.1 <sup>b</sup>
<u>Sevier River</u>	Gunnison	18.2	7.6	15.6	3.9 <sup>b</sup>
	Otter Creek	52.5	41.8	49.4	16.8
	Piute	71.8	0.0	44.7	11.7
	Sevier Bridge	236.0	178.7	113.4	55.3
	Panguitch Lake	22.3	16.6	20.5	--
<u>Utah Lake</u>	Utah Lake	883.9	956.6	1114.9	516.6
<u>Weber</u>	East Canyon	48.1	37.6	41.2	31.6 <sup>b</sup>
	Echo	73.9	26.0	38.5	23.9
	Lost Creek	20.0	16.5	15.3	13.1 <sup>b</sup>
	Rockport	60.9	48.7	57.9	40.6
	Willard Bay	193.3	149.9	157.4	124.3 <sup>a</sup>
<u>COLORADO R. BASIN</u>					
<u>Ashley Creek</u>	Steinaker	33.3	23.0	22.8	16.1 <sup>b</sup>
	Red Fleet	26.0	21.5	19.4	--
<u>Colorado</u>	Blue Mesa	829.5	727.0	789.5	--
	Lake Powell	25002.0	22760.0	24328.0	--
<u>Green</u>	Flaming Gorge	3749.0	3295.0	3683.4	--
<u>Lakefork</u>	Moon Lake	35.8	9.4	20.2	9.1
<u>Price River</u>	Scofield	65.8	40.3	43.9	30.4
<u>San Juan</u>	Navajo	1696.0	1586.0	1632.8	--
	Ken's Lake	2.3	0.2	0.2	--
<u>San Rafael</u>	Huntington North	3.9	2.5	2.7	1.2 <sup>b</sup>
	Joe's Valley	54.6	45.1	42.3	44.3 <sup>b</sup>
	Mill Site	16.7	7.6	9.3	2.8 <sup>b</sup>
<u>Strawberry</u>	Starvation	165.3	143.0	154.3	104.6 <sup>b</sup>
	Strawberry (enlarged)	951.4	337.6	--	--

a - Partly estimated

b - Average of past record in average period - less than 20 years

+ - 1961-80 20 year average period

<u>Station</u>	<u>Forecast Period</u>	May 1	<u>Measured Flow for the Period (1000 A. F.)</u>	
		<u>Forecast (1000 A. F.)</u>	<u>1985</u>	<u>1984</u>
<u>PROVO-UTAH LAKE</u>				
Little Cottonwood Ck. nr SLC	May-July	36	36	58
Big Cottonwood Ck. nr SLC	May-July	41	39	54
Parley's Ck. nr SLC	May-July	13.0	13.4	31
Mill Ck. nr SLC	May-July	6.3	7.6	12.9
Emigration Ck. nr SLC	May-July	2.3	3.3	8.5
City Ck. nr SLC	May-July	6.0	7.4	16.1
S. Willow Ck. nr Grantsville	May-July	3.4	2.0	5.9
Vernon Ck. nr Vernon	May-June	0.6	1.3	2.2
Provo River nr Hailstone	May-July	87	100	161
Strawberry Reservoir Inflow	May-July	55	74	81
<u>UINTAH BASIN &amp; DAGGETT SCD'S</u>				
Strawberry at Duchesne	May-July	58	50	141
Currant Creek nr Fruitland	May-July	18.5	32	47
Whiterocks nr Whiterocks	May-July	66	42	56
Black's Fork nr Millburne	May-July	95	83	121
<u>SEVIER RIVER INCL. BEAVER RIVER</u>				
Sevier at Hatch	May-July	50	48	39
Beaver nr Beaver	May-July	23	30	47
<u>SAN RAFAEL, MUDDY, VIRGIN, AND FREMONT RIVERS INCL. MILL CK. NR MOAB</u>				
Cottonwood Ck. nr Orangeville	May-July	57	74	159
Ferron nr Ferron	May-July	44	37	77
Muddy Creek nr Emery	May-July	21	23	44
Seven Mile Creek nr Fish Lake	May-July	5.6	7.4	14.7
Mill Creek nr Moab	May-July	4.8	6.7	17.4
Virgin nr Hurricane	May-June	40	19.4	21
Coal Ck. nr Cedar City	May-July	14.8	16.3	16.3

## PRECIPITATION DATA

OCTOBER 1985

MONTHLY VALUES

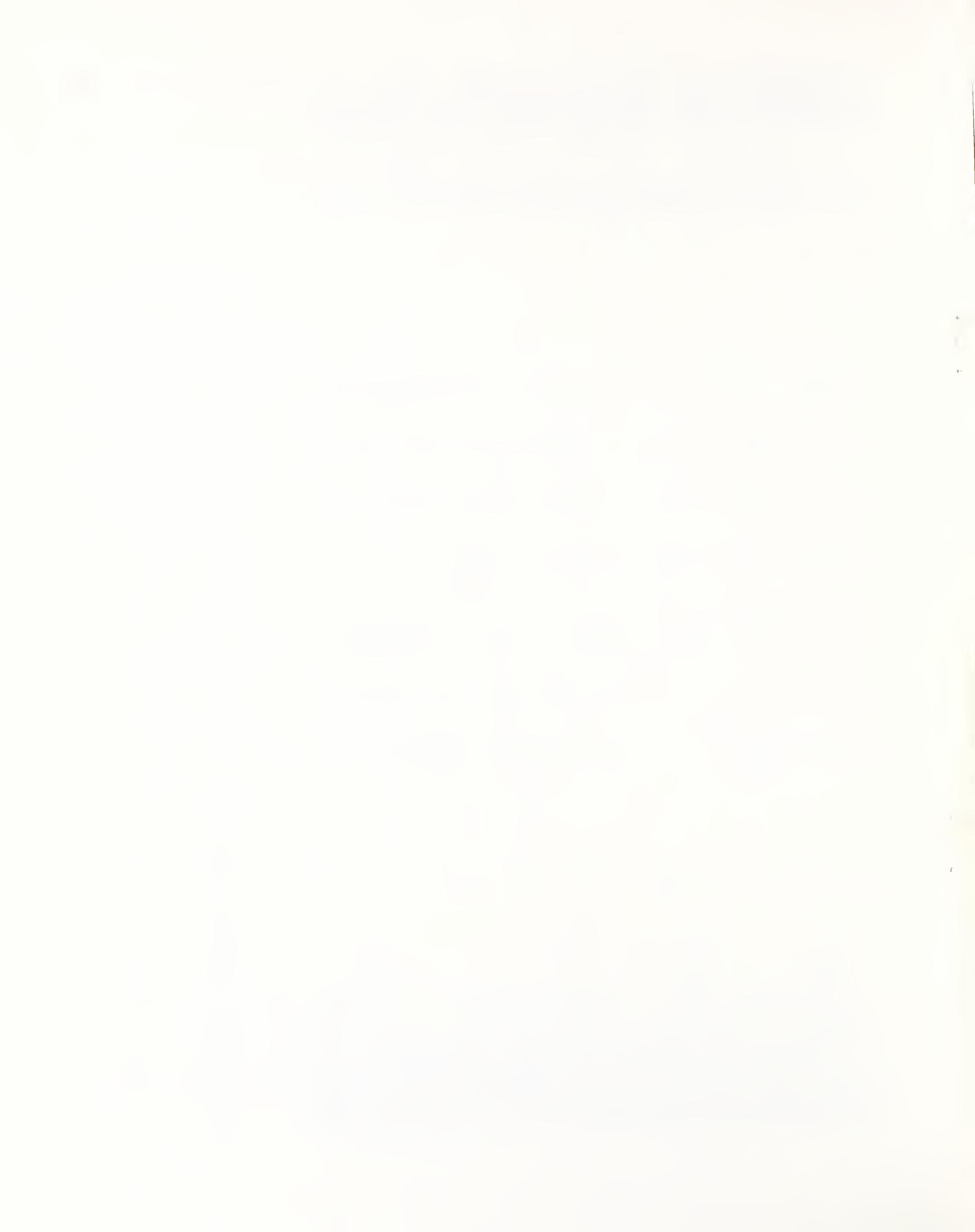
STATION	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
ASHLEY TWIN LAKES	3.50	2.30	3.50	0.80	2.00	2.60	2.00	2.00	1.90	3.40	0.50	2.20	26.70
ATWOOD LAKE	1.89	0.96	1.04	0.38	0.33	2.18	1.10	0.67	0.77	2.04	0.12	1.16	12.64
BEAVER	3.30	4.40	3.00	0.80	0.50	4.10	3.70	2.40	0.50	2.60	0.50	2.20	28.00
BEAVER CREEK DIVIDE	4.07		5.67	1.44	2.18	4.05	3.35	2.52					28.86
BEAVER DAMS	9.00	12.80	3.80	3.20	7.70	7.00	2.80	4.00	0.60	3.30	2.40	7.60	64.20
BEN LOMOND PEAK	14.00		3.61	0.91	4.34	3.22	3.58	4.11	0.45				43.62
BEN LOMOND TRAIL			9.57	2.25	1.91	2.44	6.23	2.29	1.02				30.72
BIG FLAT			7.65	0.56	1.56	3.71	5.40	2.76	0.96	2.37			2.46
BLACK'S FLAT-U.M. CREEK	1.87		4.54	0.89	1.27	1.84	2.64	2.33	1.33				27.43
BLACK'S FORK JUNCTION	2.01		4.27	0.88	1.70	1.57	3.13	1.95	1.14				22.21
BLACK FORK GS-EAST FORK			10.68	1.31	1.55	2.09	5.96	2.46	1.44				5.50
BOX CREEK			11.37	1.40	1.50	3.25	2.55	2.19					21.68
BROWN DUCK RIDGE			13.79	1.47	1.79	3.68	2.84	2.42	1.23				5.03
BUCK FLAT			6.30	5.40	7.00	1.50	5.25	5.50	1.80				3.20
BUCKBOARD FLAT			10.18	1.20	3.44	2.29	3.41	1.51	0.44				28.69
BUG LAKE	2.25	0.50	0.85	1.15	1.50	2.70	2.25	2.35	0.40				3.17
BURNT CREEK			5.08	0.53	1.03	1.60	3.68	1.85	1.25				23.45
BURTS-MILLER RANCH	4.75		6.35	7.10	1.30	4.50	5.10	1.40	0.20				2.19
CAMP JACKSON			10.26	1.29	0.68	3.89	4.08	2.69	1.16				4.15
CASTLE VALLEY													9.45
CHALK CREEK #1													3.20
CHALK CREEK #2													8.15
CHALK CREEK #3													38.53
CAUSEY DAM	2.50	2.10	9.20	0.65	2.44	2.03	1.86	2.40	1.04				26.34
CHEPETA			3.76	5.00	0.57	1.70	3.29	1.55	3.38	0.26			26.34
CHEPETA-WHITEROCKS LAKES			3.70	0.90	1.80	4.10	1.40	2.50	1.30	5.70	0.60		24.76
CLARKSTON MOUNTAIN													5.25
CLEAR CREEK RIDGE #1	6.00	3.80	4.60	2.30	2.10	4.30	2.40	1.50	1.30	3.40	0.20		3.60
CLEAR CREEK RIDGE #2	3.53		6.18	2.05	4.10	3.91	1.85	1.71	1.50				3.22
CURRENT CREEK	3.45		6.43	2.28	2.16	3.23	1.59	1.93	0.14				5.90
DANIELS-STRAWBERRY SUM	4.63		8.58	3.16	3.05	2.48	3.12	2.59	0.11				6.62
DESERET PEAK													35.05
DILL'S CAMP	5.46		6.92	1.09	1.38	3.87	2.34	1.84	1.47				5.25
DRY BREAD POND	4.50	5.20	3.10	1.20	2.40	5.20	1.80	3.10	1.20	1.40	0.00		29.62
DUCK CREEK R.S.			13.46	1.94	1.56	4.25	5.45	2.57					32.20
DUTCHMAN RANGER STATION													36.64
EAST PORTAL	4.63	3.65	3.85	1.65	2.18	3.68	2.00	2.14	1.62	2.41	0.11	1.77	29.69
FARMINGTON CANYON (UP)	9.00	9.90	4.80	0.90	4.90	6.80	3.10	5.10	1.30	1.20	0.20	4.80	52.00
FARMINGTON CANYON(LOW)			11.20	1.60	3.45	4.25	2.39	2.69					*
FARMINGTON GUARD STATION			10.18	1.95	3.78	5.47	3.25	4.98					36.09
FARNSWORTH LAKE			12.37	0.74	2.96	5.49	5.34	2.59	1.20				18.53
FILLMORE	2.19	0.82	1.07	1.04	1.63	2.79	2.93	1.75	0.97	1.99	0.10		21.71
FISH LAKE RANGER STATION			6.50	0.54	1.44	3.46	2.50	1.66	0.96				4.65
FIVE POINT LAKE	4.70	2.60	3.70	1.10	1.90	4.70	2.60	2.70	1.70	3.50	0.50	2.70	32.40

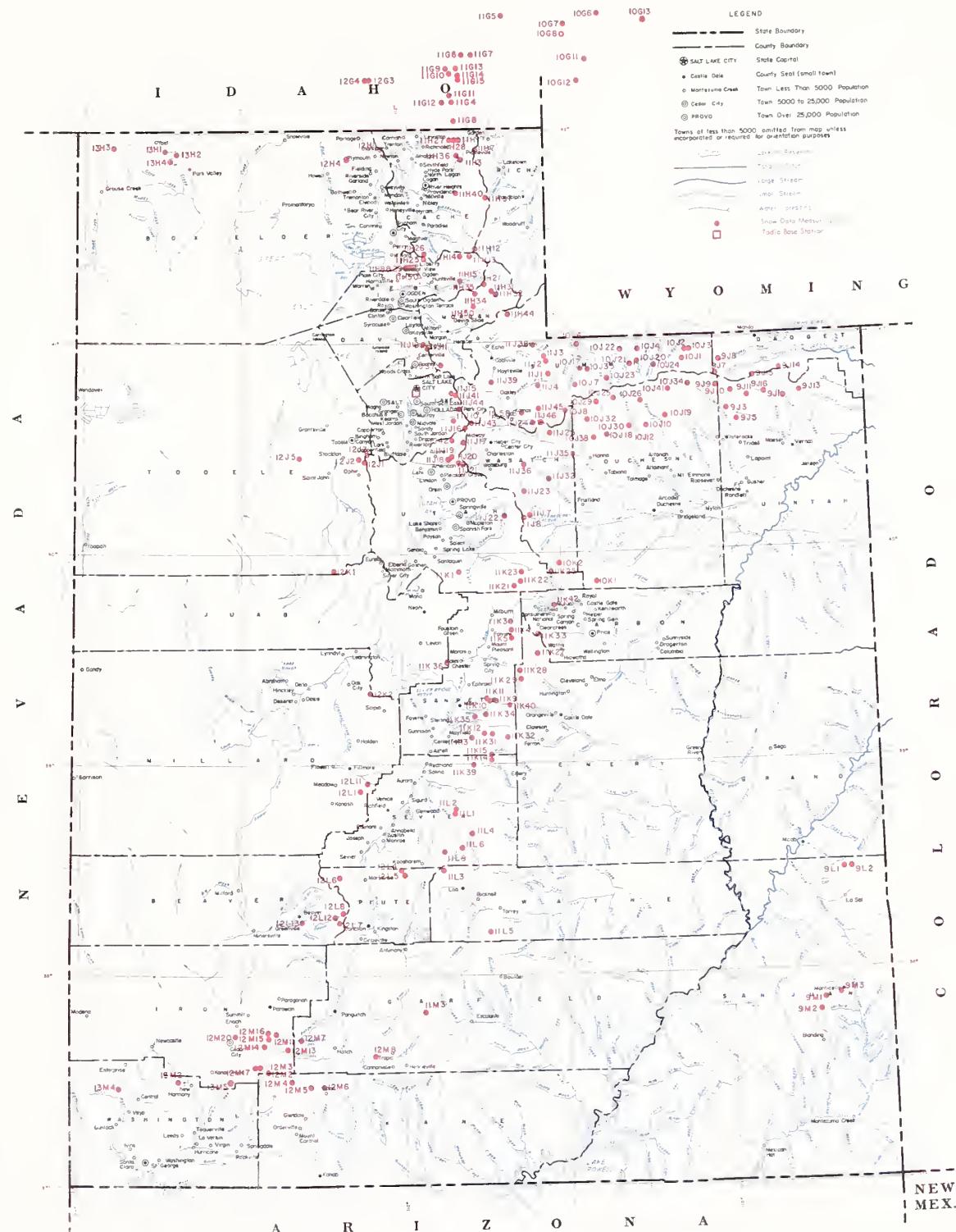
STATION	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
FRANCIS CANYON													2.70
FRANKLIN BASIN	5.90	8.70	4.70	1.20	4.20	5.70	2.70	2.90	1.00	3.00	0.30	3.50	43.80
G.B.R.C. HEADQUARTERS	12.00	3.85	1.72	2.36	4.48	4.37	2.26	1.70	3.00	0.08	1.47	37.29	
G.B.R.C. MAJORS	6.35	2.50	0.90	0.75	6.10	1.45	1.60	1.50	0.05	0.75	21.95		
G.B.R.C. MEADOWS	13.00	4.25	1.84	3.12	5.18	4.76	1.09	1.80	2.42	0.12	1.78	39.36	
G.B.R.C. OAKS	7.85	3.10	1.00	0.75	7.00	1.50	1.60	1.80	0.07	1.00	0.67	25.67	
GARDEN CITY SUMMIT	12.49	0.90	2.86	2.25	3.16	2.74	1.61				6.25	32.26	
GEORGE PEAK													
GOOSEBERRY R. S.	8.15	1.04	0.40	2.43	3.99	4.53	1.92	1.50	4.90		0.16	29.02	
GOOSEBERRY RESERVOIR	14.81	1.68	2.97	3.92	3.36	2.74	1.83				5.45	36.76	
GRIZZLY RIDGE	3.55	1.35	2.15	1.95	2.20	3.50	1.80	2.45	0.65		9.30	28.90	
GUILDFERS PEAK									31.90		5.20	37.10	
HARDSCRABBLE													
HARRIS FLAT	2.10	1.90	4.20	1.70	0.10	4.40	0.80	1.40	0.30	2.10	0.50	20.90	
HAYDEN FORK	3.07		9.62	0.68	3.07	3.95	2.57	2.46	1.97		6.75	34.14	
HENRY'S FORK											25.31	25.31	
HERO HOLLOW													
HEWINTA GUARD STATION													
HICKERSON PARK	3.38	0.88	1.48	1.90	2.26	2.44	0.38				3.90	21.93	
HOBBLE CREEK SUMMIT	5.70	5.78	1.97	2.43	3.30	1.68	2.01	1.62			5.45	18.17	
HORSE RIDGE	17.40	1.61	3.40	3.40	4.50	3.88	1.12				4.05	28.54	
INDIAN CANYON	10.21	0.75	1.80	3.00	1.72	1.41	0.27				4.90	40.21	
JACKSON PARK	10.39	0.87	1.60	3.60	1.89	2.03					6.72	25.88	
KIDNEY LAKES													
KIMBERLY MINE	11.92	1.99	2.38	2.76	7.46	3.47	1.82				6.35	38.15	
KING'S CABIN	6.96	0.52	1.45	2.82	2.13	2.08	0.58	6.01			4.46	27.01	
KLONDIKE NARROWS	13.20	0.83	2.79	1.96	3.27	3.39	1.25				7.21	33.90	
KOLOB-CRYSTAL													
LAKE CREEK	3.90	3.60	6.70	2.40	0.80	7.00	2.50	1.40	0.50	2.10	0.20	1.90	33.00
LAKEFORK BASIN	5.00	4.20	1.50	1.30	2.10	3.60	2.10	3.50	0.90	3.60	0.70	3.20	38.77
LAKEFORK MOUNTAIN #1													
LAMB'S CANYON #2													
LASAL MOUNTAIN (UPPER)	5.00	0.88	1.21	1.49	0.74	1.70	0.95	1.05	1.38	1.58	0.07	1.09	31.70
LEVAN	2.76	0.88	5.20	5.30	1.40	3.10	7.10	2.60	4.30	1.60	3.60	0.10	42.80
LIGHTNING LAKE	5.50	2.71	4.10	3.03	0.87	2.17	1.90	2.56	2.74	2.32		4.61	27.01
LILY LAKE												6.79	35.85
LITTLE BEAR (UPPER)													
LITTLE GRASSY CREEK													
LONG FLAT	3.30	4.51	1.62	1.40	1.57	3.21	1.02				6.88	23.51	
LOST CREEK RESERVOIR													
MAMMOTH COTTONWOOD	5.40	2.60	4.40	2.10	1.90	2.40	2.70	1.90	1.60	3.00	0.50	2.40	30.90
MERCHANTABILITY													
MERCHANTABILITY	6.03	9.54	1.55	1.85	2.10	5.43	2.52	1.59			3.91	28.49	
MIDDLE CANYON	3.10	4.00	8.40	2.70	1.40	5.40	2.31				13.00	37.89	
MIDWAY VALLEY	3.90												
MONTE CRISTO R. S.	11.15	1.64	4.38	4.00	5.66	3.12	1.42				4.50	41.90	
MOSBY MOUNTAIN	8.17	0.74	1.08	2.79	1.12	2.49	1.84				9.25	27.48	
MT. BALDY RANGER STATION	11.06	1.70	2.11	3.89	3.35	1.29					3.50	26.90	
MUD CREEK	10.92	0.50	2.08	3.82	3.42	2.13	1.10				5.55	29.52	
OAK CREEK	8.79	1.42	1.87	3.60	2.92	3.49	1.73				5.11	28.93	
ORANGE OLSEN	7.92	0.45	0.90	1.38	1.11	0.97	0.67				5.45	18.85	
PANGUITCH LAKE	5.44	0.93	0.32	1.97	1.81	1.07					8.40	19.94	

STATION	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
PARADISE PARK			9.03	0.71	1.78	3.60	1.30	2.41	1.99			10.90	31.72
PARLEY'S CANYON SUMMIT			13.99	1.67	2.56	4.45	3.20	3.93	2.50			3.38	35.68
PAYSON RANGER STATION	5.80	6.90	1.70	1.70	3.06	3.31	3.19	0.99				5.51	32.16
PICKLE KEG SPRINGS	2.60	3.50	1.90	1.80	4.80	4.00	2.30	0.80	2.10	0.10	1.00		28.20
PINE CANYON			12.36	2.77	2.02	3.33	7.60	7.81	1.37			25.90	25.90
PINE CREEK			13.76	1.29	3.07	3.70	1.94	2.93	1.33			5.54	42.80
REDDEN MINE LOWER			9.45	1.15	2.67	4.16	3.40	3.16	1.59			5.08	33.10
RED PINE RIDGE			10.57	1.55	1.78	2.24	3.23	2.32	2.32			2.74	37.94
REE'S FLAT												2.70	26.71
REYNOLDS PARK												36.92	36.92
ROCK CREEK RANCH												27.72	
ROCKY BASIN-SETTLEMENT. CN												9.45	
SAGEBRUSH FLAT												13.22	
SEELEY CREEK RS #2	3.15	5.20	3.60	3.40	1.80	0.90	1.80	2.00	2.40	1.10	2.00	0.00	4.05
SARGENT LAKE												1.80	26.00
SHADOW LAKE												5.90	35.30
SHINGLE MILL												42.90	42.90
SMITH & MOREHOUSE	3.98	7.93	0.73	2.16	3.90	2.18	2.95	0.86				1.97	21.70
SOAPSTONE RANGER STATION	3.38	7.12	0.82	2.21	3.84	1.90	2.21	0.92				5.60	30.29
SPIRIT LAKE			7.00	1.06	2.55	3.49	3.54	1.91	0.68			6.55	28.95
STEEL CREEK PARK			8.24	1.07	2.05	1.80	3.67	1.69	2.24			5.96	26.72
STILLWATER CAMP	2.09	5.75	0.78	1.52	1.87	2.07	1.74	1.91				4.44	22.17
STRAWBERRY DIVIDE	4.80	1.70	8.20	2.30	1.50	5.10	3.20	0.80	1.10			1.90	33.60
STUART R.S. (OLD)			9.12	0.63	1.54	2.60	2.56	1.51	1.04			5.70	24.70
TALL POLES			9.90	1.80	1.00	3.40	6.40	0.70				6.10	29.30
TIMPANOOGOS DIVIDE	6.45	4.12			16.80	2.30	4.10	4.70	2.90			3.92	45.29
TONY GROVE LAKE	5.80	8.90	7.30	2.20	4.20	5.50	2.40	3.40	1.10			3.70	48.10
TONY GROVE R.S.			11.25	1.68	3.20	1.74	2.46	2.09	0.94			5.70	29.06
TRIAL LAKE	4.00		12.16	1.25	3.26	4.67	2.59	3.12	1.15			7.58	
TROUT CREEK			6.26	0.55	2.18	2.93	2.29	2.17	1.54			8.00	25.92
VERNON CREEK	5.10	3.20	3.00	2.20	2.00	3.30	0.30	4.40	0.90			2.10	28.60
WEBSTER FLAT			14.51	2.43	1.35	3.73	3.90	3.53	1.64			5.90	36.99
WHITE RIVER #1			9.28	1.80	1.84	3.18	1.50	2.22	1.20			4.30	25.32
WIDTSEE-ESCALANTE #3			8.45	1.56	0.95	3.84	4.75	2.09	1.17			5.70	28.51
WILLOW FLAT	4.10	4.68	3.30	2.20	4.75	2.38	3.46	2.71	0.98			6.45	35.01
WF OF THE DUCHESNE												6.03	
YANKEE RESERVOIR			7.29	1.19	0.88	2.95	3.89	2.91				30.11	36.14

NOTE: Blank spaces indicate no reading taken, next reading is cumulative (except as noted \*).

\*: Gage molested, data for this period lost.





**SNOW COURSES AND RELATED  
DATA MEASURING SITES  
UTAH**

1983

0 20  
ALBERS EQUAL AREA PROJECTION

USGS National Atlas 1:1,000,000 AToms  
Equal-Area projection (1967) used as source  
for base map and resampled for SCS use.

# INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

## GREAT BASIN DRAINAGE

Number	State	Name	Section	Township	Range	Elevation	Number	Section	Township	Range	Elevation	Number	Section	Township	Range	Elevation
10611	W	UPPER BEAR RIVER (above Haer, Idaho)	7	27N	117W	8,700	1212	24	4S	4W	6,450	1041P	4N	4W	10,840	
1046P	W	Big Park	19	29N	116W	7,900	1215P	15	4S	5W	9,250	1030P	3N	4W	10,660	
1067	W	Burt's Miller Ranch	9	29N	116W	7,500	1144P	21	15	3E	7,500	949P	3N	4W	10,530	
107P	W	CCC Camp	25	26N	9E	9,400	1144P	8	4S	4W	7,000	1132M	26	15	11W	
1070PST	W	Hayden Fork	13	26N	118W	8,200	1144	25	15	2E	6,950	1123M	20	15	12W	
10512PST	W	Hayden Ranger Station	13	26N	10E	9,500	1110	18	25	3E	7,400	1112P	36	75	6E	
10135P	W	Lily Lake	34	2N	4E	8,960	1214P	30	4S	3W	8,900	1026P	36	75	5W	
11121P	W	Monte Cristo R. S.	4	8N	4E	8,500	1116P	35	25	3E	8,725	1019P	22	115	10W	
1066	W	Poison Meadow	29	29N	116W	7,900	1144	16	3S	3W	9,700	1019P	25	3N	4W	
1065	W	Salt River Summit	32	29N	116W	8,400	115W	21	10S	5W	7,500	1034P	28	5N	10,660	
10613P	W	Snyder Basin	15	29N	115W	8,400	1144	18	3S	3W	9,700	1025P	13	1N	11,000	
10117P	W	Saltwater Basin Camp	32	2N	10E	8,550	1214P	21	10S	5W	7,500	1010P	20	2E	11,000	
		LOWER BEAR RIVER (below Haer, Idaho)														
	U	Bug Lake	18	11N	5E	7,950	1214P	33	26S	2W	9,300	1039P	23	4N	10,500	
	U	Christensen Ranch	27	11N	41E	6,000	1208	23	36S	4W	8,000	945P	33	1E	9,500	
	U	Clinton Mountain	5	11N	2W	6,300	1210P	23	36S	4W	9,580	1018P	21	2N	10,100	
	U	Club River Ranger Station	5	115S	41E	5,400	1208	11	38S	8W	6,700	1032P	29	3N	7,900	
	U	Dry Creek	30	113S	42E	7,900	1215P	24	35S	7W	7,700	1138P	2	4S	10,150	
	U	Dry Creek Flats	31	113S	37E	6,350	1195	26	35S	1E	9,300	1135P	22	1N	11W	
	U	Emigrant Summit	21	122S	42E	7,350	1206P	11	26	3W	7,750	1010P	10S	10S	10,200	
	U	Emigration Canyon (mouth)	24	122S	42E	6,500	1206P	11	26	3W	8,900	1032P	20	2N	8,400	
	U	Franklin Basin	34 & 35	14N	41E	8,000	1214P	4 & 5	27S	2W	8,200	9,300	1142P	14	115	10,500
	U	Garden City Summit	31	11N	3E	7,600	1206P	1215	27S	2W	8,200	9,300	11K33P	14	145	8,100
	U	Herd Hollow	31	11N	3E	7,200	1206P	1215	27S	2W	8,200	9,300	11K29P	11	105	8,600
	U	Herschel Basin	31	11N	42E	8,000	1206P	1215	27S	2W	8,200	9,300	11K25	30	10S	8,740
	U	Klonide Narrows	10	14N	3E	7,400	1206P	1215	27S	2W	8,200	9,300	11K25P			
	U	Liberty Springs	7	17	42E	8,240	1206P	1215	27S	2W	8,200	9,300	11K25P			
	U	Little Bear (lower)	16	8N	1E	6,000	11K13P	22	19S	3E	8,000	11K14	23S	2E	9,600	
	U	Little Bear (upper)	22	8N	1E	6,550	1110P	34	23S	2E	9,600	11K14P	21	175	8,700	
	U	Dixie Mountain	32	13S	37E	6,800	11K10P	27	175	4E	10,000	11K15P	23	19S	9,400	
	U	Slug Creek Divide	15	10S	44E	7,225	11K10P	7	23S	2E	8,000	11K4	13S	5E	8,700	
	U	Sleep Hollow	2	9	14N	3E	8,500	1205P	13	13S	5E	9,600	11K5P	12	145	9,800
	U	Strawberry Creek	9	14N	3E	7,500	11K34	16	18S	4E	9,500	11K40P	19	19S	7,200	
	U	Strawberry Mink Divide	14	13S	41E	6,800	11K12P	19	19S	4E	9,700	11K28P	25	175	6E	
	U	Tony Grove Lake	15	13N	3E	8,400	1212P	4	21S	3W	9,000	11K9P	8	15S	7,950	
	U	Tony Grove Ranger Station	11	13N	3E	6,550	1211P	20	15S	4W	7,300	11K29P	21	165	6,900	
	U	Willow Flat	2	15S	41E	6,100	1143P	19	18S	3W	8,700	11K32	27	19S	9,000	
	U	RAFT RIVER														
	U	Clear Creek Meadows	26	14N	14W	9,050	1206P	23	29S	7W	6,020	11K14	24	20S	9,200	
	U	George Creek	4	14N	14W	9,000	1206P	7	29S	7W	8,750	11K15P	27	20S	9,200	
	U	One Mile Summit	17	14N	14W	7,330	1206P	12	29S	7W	8,700	11K15P				
	U	Viper Flat	17	14N	17W	7,670	1213	23	29S	7W	8,700	11K14				
	U	OGDEN RIVER														
	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150	1208	23	36S	4W	10,290	11K14P	33	24S	9,400	
	U	Ben Lomond Peak	3	7N	1W	6,000	1208	11	29S	4W	8,750	11L5P	39	30S	9,800	
	U	Ben Lomond Trail	2	7N	1W	5,500	1208	10	36S	3W	10,000	11L5P	26S	26S	8,700	
	U	Causey Dam	19	8N	4E	6,350	1208	21	36S	3W	8,800	11L6	24	25S	8,650	
	U	Dry Bear Pond	21	6N	3E	6,050	1208	20	35S	3W	8,700	11L6				
	U	Guides Peak	21	6N	3E	6,300	1208	20	35S	3W	8,700	11L6				
	U	Sagebrush Flat	21	7N	3E	6,300	1208	20	35S	3W	8,700	11L6				
	U	WEBER RIVER														
	U	Beaver Creek R. S.	28	25	7E	7,500	13M44MP	14	38S	18W	6,100	9M1P	36	33S	22E	
	U	Chalk Creek No. 1	4	8E	8E	9,100	13M28P	2	38S	14W	8,000	9M2P	5	24S	22E	
	U	Chalk Creek No. 2	29	2N	8E	8,000	13M28P	10	35S	9W	8,800	9L3P	3	23E	24E	
	U	East Shingle Lake	6	5S	8E	7,500	12M16	10	36S	9W	8,800	11L5P	25	33S	23E	
	U	Farmington Canyon (lower)	13	5S	8E	6,500	12M14	20	36S	35S	8,700					
	U	Farmington Canyon (upper)	23	5N	1E	8,000	12M20	11	36S	1W	5,800	11M3P	22	34S	1W	
	U	Hanover Divide	25	2N	2E	7,400	12M17	18	37S	9W	8,200					
	U	Hanover Divide	25	1N	6E	8,300	9J11aP	20	1S	19E	10,500					
	U	Kiffle Creek	20	6N	5E	7,300	10J21P	33	2N	12E	9,300					
	U	Last Creek	30	4E	7E	9,300	10J22P	33	1N	11E	8,925					
	U	Park City Summit	5	15	4E	7,500	9J14P	2	1N	20E	7,900					
	U	Parley's Canyon Summit	6	5N	4E	8,000	10J23a	4	1N	22E	8,500					
	U	Pine Canyon	22	7N	6E	8,100	10J23a	29	2N	14E	10,000					
	U	Porecupine	1	2S	1N	7,500	10J23a	29	2N	14E	10,000					
	U	Redden Mine (lower)	1	2S	1N	7,400	10J23a	29	2N	14E	10,000					
	U	Sergeant Lakes	9	1N	6E	8,300	9J14P	13	2N	13E	9,500					
	U	Smith & Morehouse	25	1N	7E	7,600	9J14P	13	2N	13E	9,500					
	U	PROVO RIVER & UTAH LAKE														
	U	Beaver Creek Divide	25	7E	8,280											
	U	Camp Alaram	29	4S	7E	7,500										
	U	Clear Creek Divide No. 1	18	11S	6E	8,000										
	U	Clear Creek Divide No. 2	27	10S	6E	6,000										
	U	Clear Creek Divide No. 3	27	10S	6E	9,000										
	U	Clear Creek Divide No. 4	27	10S	7E	7,500										
	U	Hobble Creek	27	7E	7,500											
	U	Hobble Creek, Summit	36	4S	6E	9,000										
	U	Lake Creek	30	10S	8E	8,050										
	U	Peyson R. S.	9	13S	8E	7,800										
	U	Spanone R. S.	24	4S												

## **Agencies Cooperating in Utah Snow Surveys**

### **U. S. GOVERNMENT AGENCIES**

U. S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U. S. Department of Commerce  
NOAA, National Weather Service  
U. S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

### **STATE AGENCIES**

Utah State University  
Utah State Department of Natural Resources  
Division of Wildlife Resources  
Division of Water Resources  
Division of Water Rights  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner

### **MUNICIPALITIES**

Manti  
Salt Lake City

### **ORGANIZED PUBLIC AGENCIES**

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Central Utah Conservancy District  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association  
Weber River Water Users Association  
Weber Basin Conservancy District

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